

GRADING AND IMPROVEMENT PLANS FOR
GROSSMONT COLLEGE TEMPORARY PARKING SURFACE
AT GILLESPIE FIELD
EL CAJON, CALIFORNIA

GENERAL NOTES

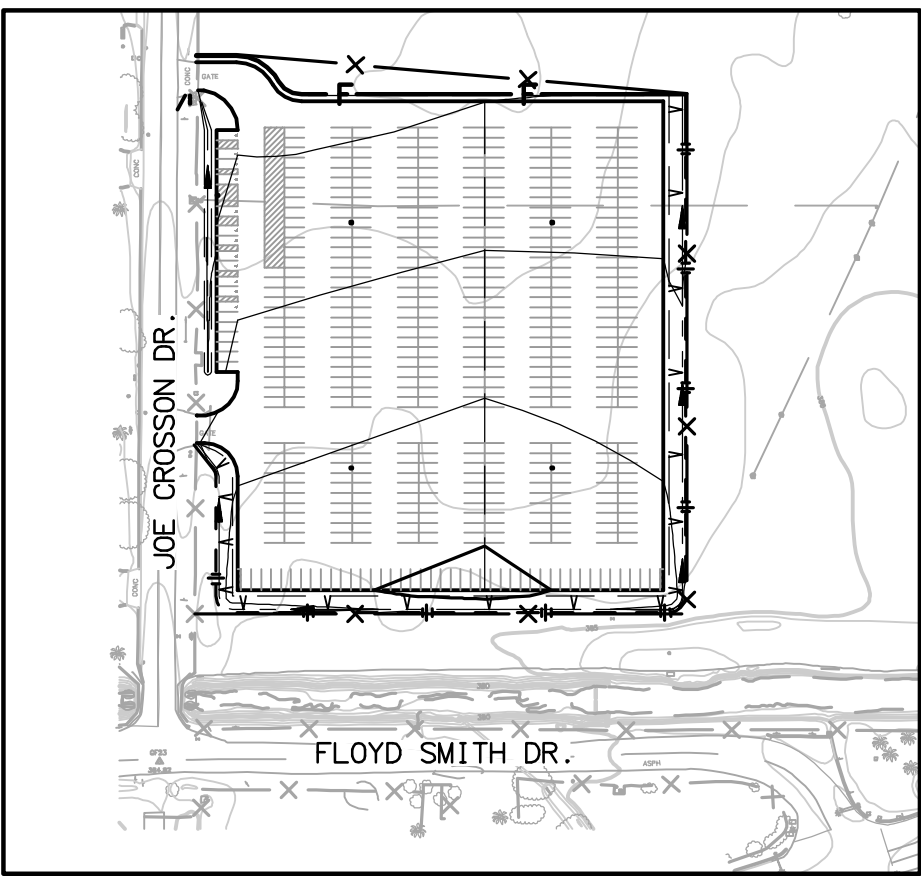
1. APPROVAL OF THIS GRADING PLAN DOES NOT CONSTITUTE APPROVAL OF VERTICAL OR HORIZONTAL ALIGNMENT OF ANY PRIVATE ROAD SHOWN HEREON FOR COUNTY ROAD PURPOSES.
2. FINAL APPROVAL OF THESE GRADING PLANS SUBJECT TO FINAL APPROVAL OF THE ASSOCIATED IMPROVEMENT PLANS WHERE APPLICABLE. FINAL CURB ELEVATIONS MAY REQUIRE CHANGES IN THESE PLANS.
3. IMPORT MATERIAL SHALL BE OBTAINED FROM A LEGAL SITE.
4. ALL SLOPES OVER THREE FEET IN HEIGHT WILL BE PLANTED IN ACCORDANCE WITH SAN DIEGO COUNTY SPECIFICATIONS.
5. THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK. NOTICE OF PROPOSED WORK SHALL BE GIVEN TO THE FOLLOWING AGENCIES:
- SAN DIEGO GAS & ELECTRIC:

AT&T:

COX COMMUNICATIONS:

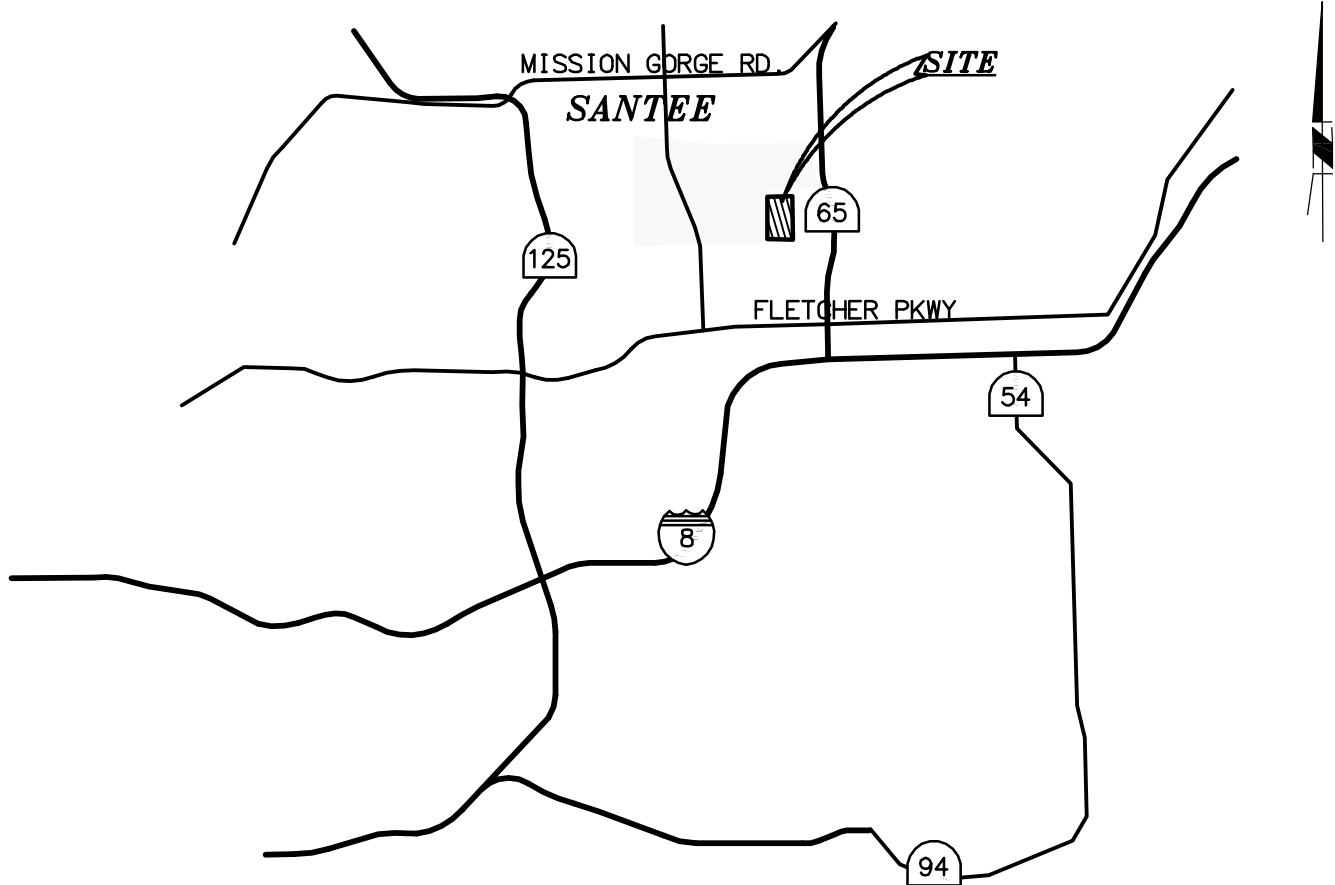
SEWER:

WATER:
6. A SOILS REPORT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
7. APPROVAL OF THESE PLANS DOES NOT AUTHORIZE ANY WORK OR GRADING TO BE PERFORMED UNTIL THE PROPERTY OWNER'S PERMISSION HAS BEEN OBTAINED.
8. THE APPROVAL OF THESE PLANS DOES NOT CONSTITUTE COUNTY BUILDING OFFICIAL APPROVAL OF ANY FOUNDATION FOR STRUCTURES TO BE PLACED ON THE ITEMS COVERED BY THESE PLANS. NO WAIVER OF THE GRADING ORDINANCE REQUIREMENTS CONCERNING MINIMUM COVER EXPANSIVE SOIL IS MADE OR IMPLIED (SECTIONS 87.403 & 87.410). ANY SUCH WAIVER MUST BE OBTAINED FROM THE DIRECTOR OF PLANNING AND LAND USE.
9. ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTHMOVING EQUIPMENT AND ANY OTHER ASSOCIATED GRADING EQUIPMENT SHALL BE LIMITED TO THE PERIOD BETWEEN 7:00 AM AND 6:00 PM EACH DAY. MONDAY THRU SATURDAY, AND NO EARTHMOVING OR GRADING OPERATIONS SHALL BE CONDUCTED ON THE PREMISES ON SUNDAYS OR HOLIDAYS.
10. ALL MAJOR SLOPES SHALL BE ROUNDED INTO EXISTING TERRAIN TO PRODUCE A CONToured TRANSITION FROM CUT OR FILL FACES TO NATURAL GROUND AND ABUTTING CUT OR FILL SURFACES.
11. NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND NOTWITHSTANDING THE APPROVAL OF THESE GRADING PLANS, THE PERMITTEE IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO ADJACENT PROPERTY. NO PERSON SHALL EXCAVATE ON LAND SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY ADJOINING PUBLIC STREET, SIDEWALK ALLEY, FUNCTION OF ANY SEWAGE DISPOSAL SYSTEM, OR ANY OTHER PUBLIC OR PRIVATE PROPERTY WITHOUT SUPPORTING AND PROTECTING SUCH PROPERTY FROM SETTLING, CRACKING, EROSION SILTING, SCOUR OR OTHER DAMAGE WHICH MIGHT RESULT FROM THE GRADING DESCRIBED ON THIS PLAN. THE COUNTY WILL HOLD THE PERMITTEE RESPONSIBLE FOR CORRECTION OF NON-DEDICTED IMPROVEMENTS WHICH DAMAGE ADJACENT PROPERTY.
12. SPECIAL CONDITION: IF ANY ARCHEOLOGICAL RESOURCES ARE DISCOVERED ON THE SITE OF THIS GRADING DURING GRADING OPERATIONS, SUCH OPERATIONS WILL CEASE IMMEDIATELY, AND THE PERMITTEE WILL NOTIFY THE DIRECTOR OF PUBLIC WORKS OF THE DISCOVERY. GRADING OPERATIONS WILL NOT RECOMMENCE UNTIL THE PERMITTEE HAS RECEIVED WRITTEN AUTHORITY FROM THE DIRECTOR OF PUBLIC WORKS
13. ALL GRADING DETAILS WILL BE IN ACCORDANCE WITH SAN DIEGO COUNTY STANDARD DRAWINGS DS-8, DS-10, DS-11, AND D-75.
14. FINISHED GRADING SHALL BE CERTIFIED BY A REGISTERED CIVIL ENGINEER AND INSPECTED BY THE ENGINEER FOR DRAINAGE CLEARANCE. (APPROVAL OF ROUGH GRADING DOES NOT CERTIFY FINISH BECAUSE OF POTENTIAL SURFACE DRAINAGE PROBLEMS THAT MAY BE CREATED BY LANDSCAPING ACCOMPLISHED AFTER ROUGH GRADING CERTIFICATION.
15. THE EXISTANCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE THERE ARE NO OTHER EXISTING FACILITIES EXCEPT AS SHOWN ON THESE PLANS. HOWEVER THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITY SHOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
16. LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.



SITE MAP

NO SCALE



VICINITY MAP

NO SCALE

SHEET INDEX

- | | |
|---|--------------------------------|
| 1 | TITLE SHEET |
| 2 | GRADING AND IMPROVEMENT PLAN |
| 3 | SIGNING AND STRIPING PLAN |
| 4 | EROSION CONTROL PLAN AND NOTES |

PROJECT ENGINEER'S NOTE TO CONTRACTOR

THE LOCATIONS OF ANY UNDERGROUND STRUCTURES AS SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR THE BENEFIT OF THE CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONARY MEASURES TO PROTECT ALL UNDERGROUND OR OVERHEAD STRUCTURES WHETHER SHOWN OR NOT ON THESE DRAWINGS.

NOTICE

THE ISSUANCE OF THIS PERMIT/APPROVAL BY THE COUNTY OF SAN DIEGO DOES NOT AUTHORIZE THE APPLICANT FOR SAID PERMIT/APPROVAL TO VIOLATE ANY FEDERAL, STATE, OR COUNTY LAWS, ORDINANCES, REGULATIONS, OR POLICIES INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENDANGERED SPECIES ACT AND ANY AMENDMENTS THERETO.

IMPORTANT NOTICE

SECTION 4215/4217 OF THE GOVERNMENT CODE REQUIRES THAT A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. PER YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT

TOLL FREE 1-800-422-4133 TWO WORKING DAYS BEFORE YOU DIG.

NOTE:

GROSSMONT COMMUNITY COLLEGE DISTRICT HAS PROVIDED A SUFFICIENT NUMBER OF ACCESSIBLE PARKING SPACES ON CAMPUS, SEPARATE TO THIS LOT. SPECIFIC DIRECTION ON FINAL STRIPING OF LOT AND DESIGNATION OF SPACES IS AT SOLE DISCRETION OF GROSSMONT COLLEGE AND IS SEPERATE FROM THE COUNTY OF SAN DIEGO RESPONSIBILITY.

NOTE:

PRE-CONSTRUCTION BIOLOGICAL SURVEY TO BE PERFORMED PRIOR TO ANY CLEARING AND GRUBBING OPERATIONS.

WORK TO BE DONE

IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS, THE CURRENT SAN DIEGO COUNTY DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS FOR IMPROVEMENT OF SUB-DIVISION STREETS AND STANDARD REFERENCE DRAWINGS.

LEGEND

ITEM	STANDARD DRAWING	SYMBOL
EXISTING CONTOUR		(100)
EXISTING FENCE		x
EXISTING STREET LIGHT		
EXISTING HYDRANT		
PROJECT BOUNDARY / PROPOSED TEMP. FENCING		x
RIGHT OF WAY		-R/W-
EDGE OF PAVEMENT		
FINISH CONTOUR		100
TOP/TOE OF SLOPE		
SWALE FLOWLINE		
TYPICAL PAVEMENT SECTION		
ALTERNATE PAVEMENT SECTION		

ABBREVIATIONS

AC	ASPHALT CONCRETE	PCC	POINT OF COMPOUND CURVATURE
AB	AGGREGATE BASE	PCR	POINT OF CURB RETURN
ASSY	ASSEMBLY	PVC	POLYVINYL CHLORIDE
AV	AIR VACUUM RELEASE	PVI	POINT OF VERTICAL INTERSECTION
BC	BEGIN CURVE	RET	RETAINING WALL
BO	BLOWOFF	RSD	REGIONAL STANDARD DRAWING
BVC	BEGIN VERTICAL CURVE	R/W	RIGHT OF WAY
CI	CURB INLET	SD	STORM DRAIN
C	CENTER LINE	SDCO	STORM DRAIN CLEANOUT
CONC	CONCRETE	SD&E	SAN DIEGO GAS & ELECTRIC
EL	ELEVATION	SH	SHEET
EC	END CURVE	SSMH	SEWER MANHOLE
ESMT	EASEMENT	STA	STATION
EVC	END VERTICAL CURVE	TB	THRUST BLOCK
EX/EXIST	EXISTING	TC	TOP OF CURB
FF	FINISH FLOOR	TEMP	TEMPORARY
FG	FINISH GRADE	TF	TOP OF FOOTING
FH	FIRE HYDRANT	TG	TOP OF GRATE
FL	FLOW LINE	TW	TOP OF WALL
FS	FINISH SURFACE	TYP	TYPICAL
HP	HIGH POINT	WAS	WATER AGENCIES' STANDARDS
IE	INVERT ELEVATION	W/	WITH
No.	NUMBER	GB	GRADE BREAK

EARTHWORK QUANTITIES

CUT.....60 CY
FILL.....4560 CY
NET(IMPORT).....4500 CY

ENGINEER OF WORK

RBF CONSULTING, INC.
9755 CLAIREMONT MESA BLVD, SUITE 100
SAN DIEGO, CA
(858) 614-5000

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE COUNTY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

AS-BUILTS

THE CONTRACTOR SHALL FURNISH TO THE ENGINEER OF WORK, AS-BUILT PLANS FOR ALL NEW IMPROVEMENTS AND GRADING SHOWN ON THESE PLANS.

PRECONSTRUCTION CONFERENCE

THE CONTRACTOR SHALL NOT BEGIN ANY WORK ON THIS PROJECT UNTIL A PRECONSTRUCTION CONFERENCE IS HELD WITH THE ENGINEER OF WORK, THE OWNER AND THE COLLEGE

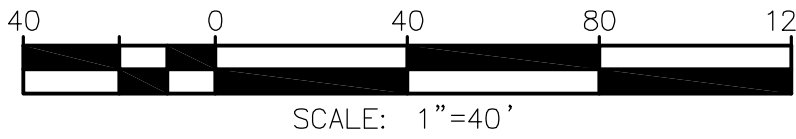
KEVIN G. VOGELSANG RCE 41213 EXP. 3/31/09 DATE: _____



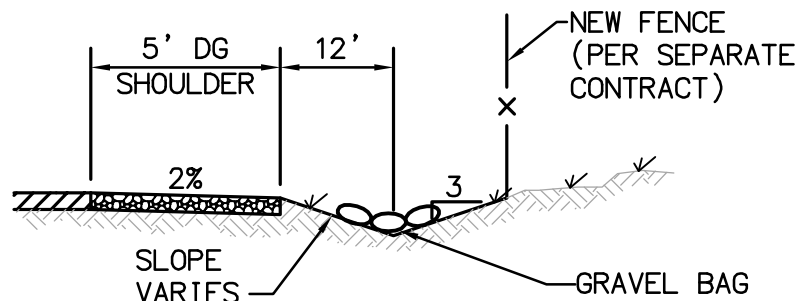
COUNTY APPROVED CHANGES				SURVEY CONTROL	
NO.	DESCRIPTION:	APPROVED BY:	DATE:	DESCRIPTION: CITY OF EL CAJON BM# 24 STANDARD BRASS MONUMENT	
				LOCATION: OPPOSITE HOUSE #850, BRADLEY AVE	
				RECORD FROM:	
				ELEVATION: 384.809	DATUM: NGVD 29

PRIVATE CONTRACT

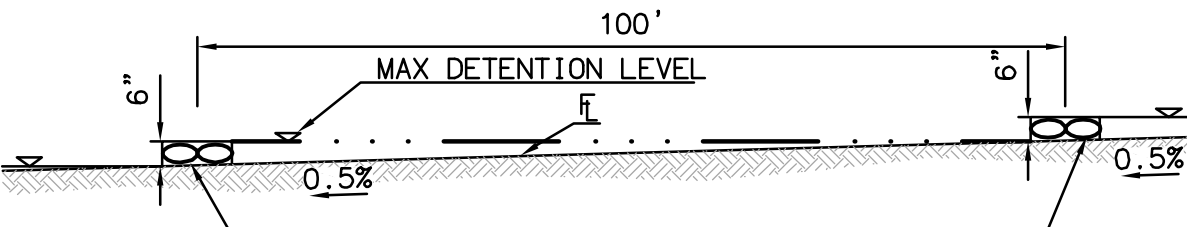
SHEET 1	GROSSMONT-CUYAMACA COLLEGE DISTRICT	4 SHEETS
GRADING AND IMPROVEMENT PLAN FOR: GROSSMONT COLLEGE TEMPORARY PARKING SURFACE AT GILLESPIE FIELD TITLE SHEET		
ACCEPTED BY:	ENGINEER OF WORK R.C.E.	
	GRADING PERMIT NO:	



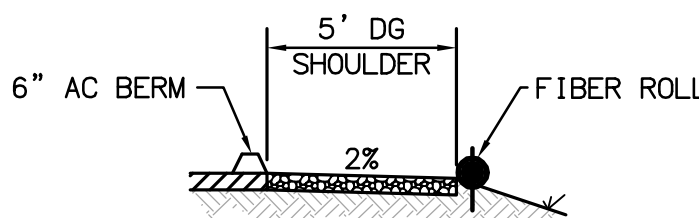
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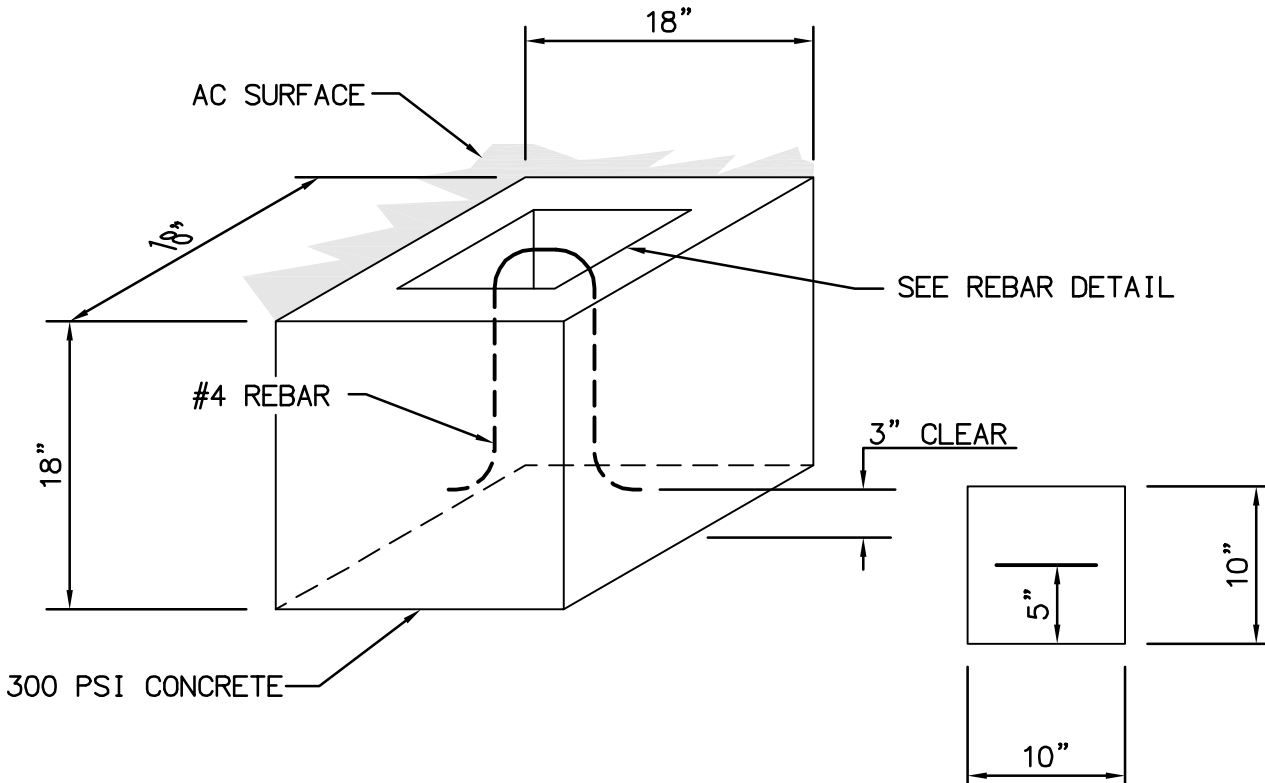
SECTION A-A
N.T.S.



SECTION B-B
N.T.S.

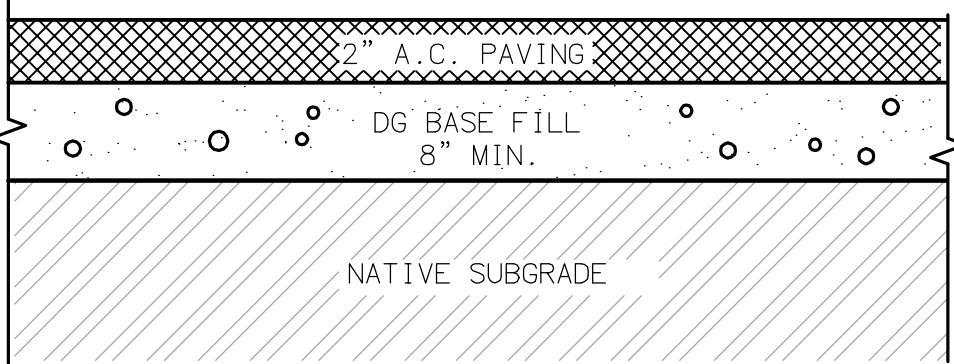


SECTION C-C
N.T.S.



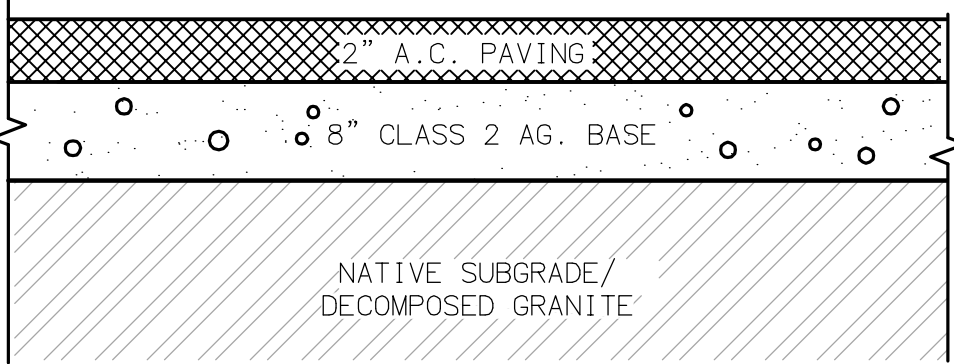
REBAR DETAIL

CONCRETE BLOCK DETAIL
N.T.S.



SEE AC PAVING SPECIFICATIONS IN CALTRANS.
CLEAR AND GRUB NATIVE SUBGRADE

TYPICAL PAVEMENT SECTION
N.T.S.



SEE AC PAVING SPECIFICATIONS IN CALTRANS.
CLEAR AND GRUB NATIVE SUBGRADE

ALTERNATE PAVEMENT SECTION
N.T.S.

GENERAL NOTES:

1. USE PG 64-10 OR AR 4000 AC WITH 1/2" AGGERGATE

PAVING NOTES:

1. THE FLEXIBLE PAVEMENT SHOULD CONFORM TO, AND BE PLACED IN ACCORDANCE WITH, CURRENT CALTRANS STANDARD SPECIFICATIONS.
2. FURNISH AND INSTALL THE AGGREGATE BASE (CLASS 2) SHOULD COMPLY WITH THE SPECIFICATIONS STATED IN CALTRANS STANDARD SPECIFICATIONS SECTION 26. AGGREGATE BASE SHOULD HAVE A MINIMUM OF 95 PERCENT RELATIVE COMPACTION PER ASTM D 1557, 3/4" MINIMUM.
3. AC PAVING PER CALTRANS SECTIONS 39 AND 92.

TYPE "A" OR "B" WEAR COURSE: 1/2" MAXIMUM (2" THICK)
USE ASPHALT PG 64-10 OR AR 4000

CONSTRUCTION NOTES

- ① PROTECT EXISTING WATER LINE, CONTRACTOR TO VERIFY DEPTH AND LOCATION
- ② MATCH GRADE AT SWALE FLOWLINE
- ③ LIMITS OF WORK, FENCING TO BE PROVIDED BY SEPARATE CONTRACT
- ④ PROTECT EXISTING WATER FACILITIES
- ⑤ POST CONSTRUCTION FIBER ROLL BMP
- ⑥ BUS ROUTE, SEE ALTERNATE PAVEMENT SECTION, THIS SHEET
- ⑦ PROTECT EXISTING FIRE HYDRANT, PROVIDE WHEEL STOPS 4' AWAY
- ⑧ EXISTING GATE AND DRIVEWAY TO REMAIN
- ⑨ EXISTING FENCE TO REMAIN
- ⑩ CONCRETE BLOCK, SEE DETAIL THIS SHEET
- ⑪ PROVIDE AC PAVING, 11' X 7', USE ALTERNATE PAVEMENT SECTION

COUNTY APPROVED CHANGES

NO.	DESCRIPTION:	APPROVED BY:	DATE:

SURVEY CONTROL

DESCRIPTION: CITY OF EL CAJON BM# 24 STANDARD
BRASS MONUMENT
LOCATION: OPPOSITE HOUSE #850, BRADLEY AVE
RECORD FROM: _____
ELEVATION: 384.809 DATUM: NGVD 29

PRIVATE CONTRACT

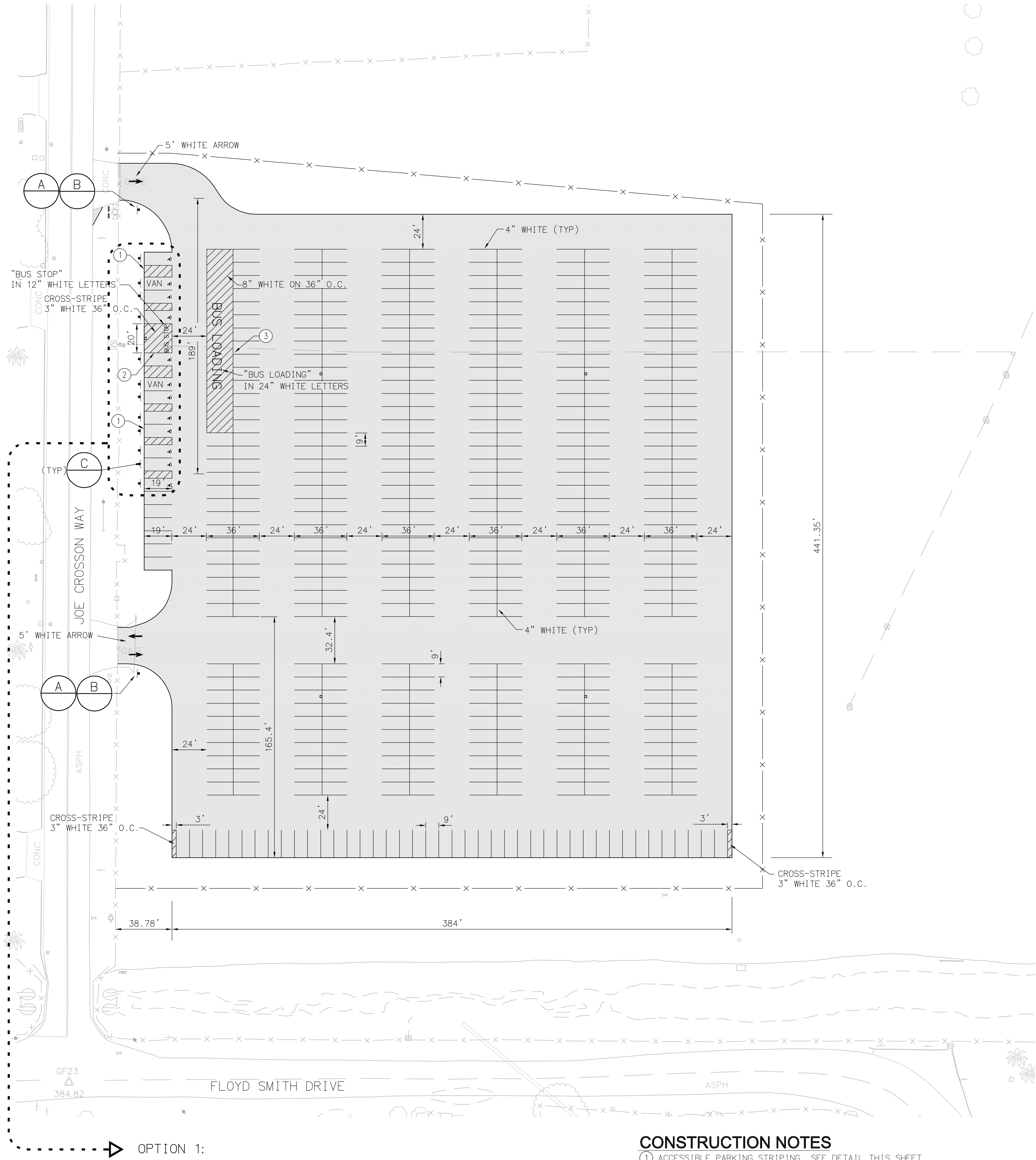
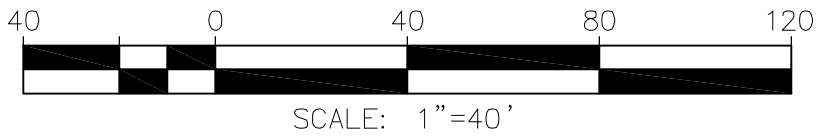
SHEET 2	GROSSMONT-CUYAMACA COLLEGE DISTRICT	4 SHEETS
GRADING AND IMPROVEMENT PLAN FOR: GROSSMONT COLLEGE TEMPORARY PARKING SURFACE AT GILLESPIE FIELD GRADING AND IMPROVEMENT PLAN		
ACCEPTED BY:	ENGINEER OF WORK R.C.E.	
	GRADING PERMIT NO:	

BIOLOGICAL AREA

JOE CROSSON WAY

FLOYD SMITH DRIVE

SURVEY CONTROL
N 1,878,209.2930
E 6,340,538.3060



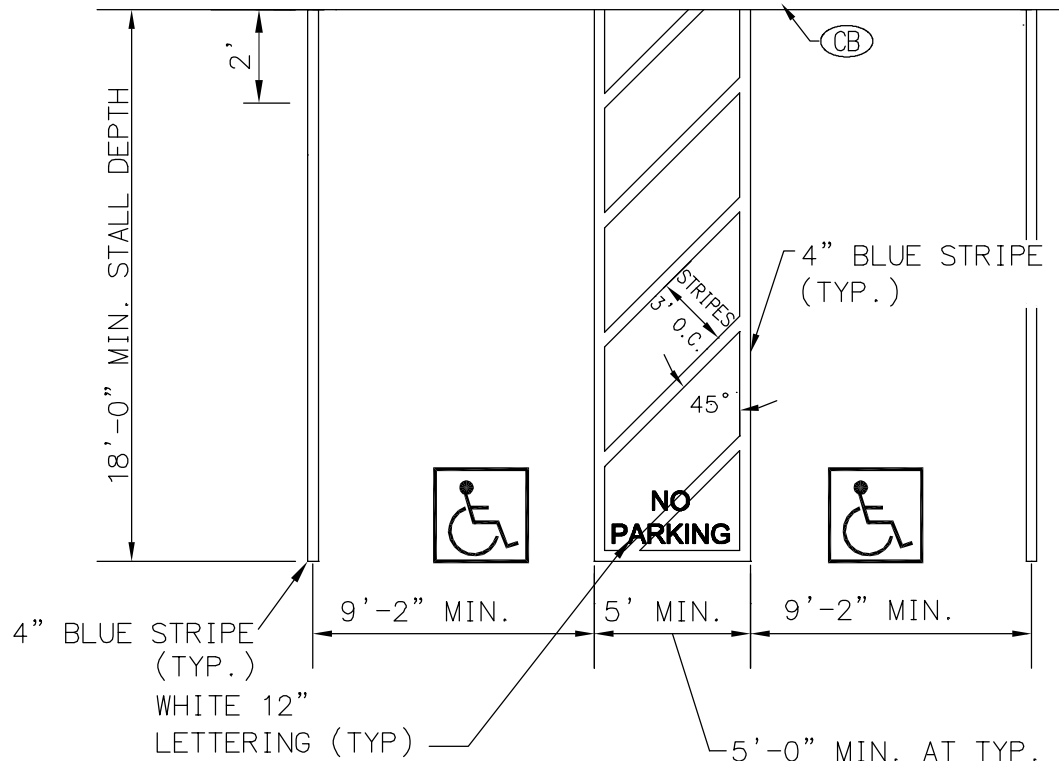
OPTION 1:

DO NOT INSTALL ACCESSIBLE SIGNAGE OR ACCESSIBLE STRIPING.
STRIPE AREA WITH 16 9'x19' PARKING STALLS AND LEAVE 20' BUS STOP AREA.

CONSTRUCTION NOTES

- 1 ACCESSIBLE PARKING STRIPING, SEE DETAIL THIS SHEET
- 2 SHUTTLE BUS PASSENGER WAITING AREA
- 3 SHUTTLE BUS PARKING AND LOADING AREA

INTERNATIONAL SYMBOL
OF ACCESSIBILITY SIGN
TYP.

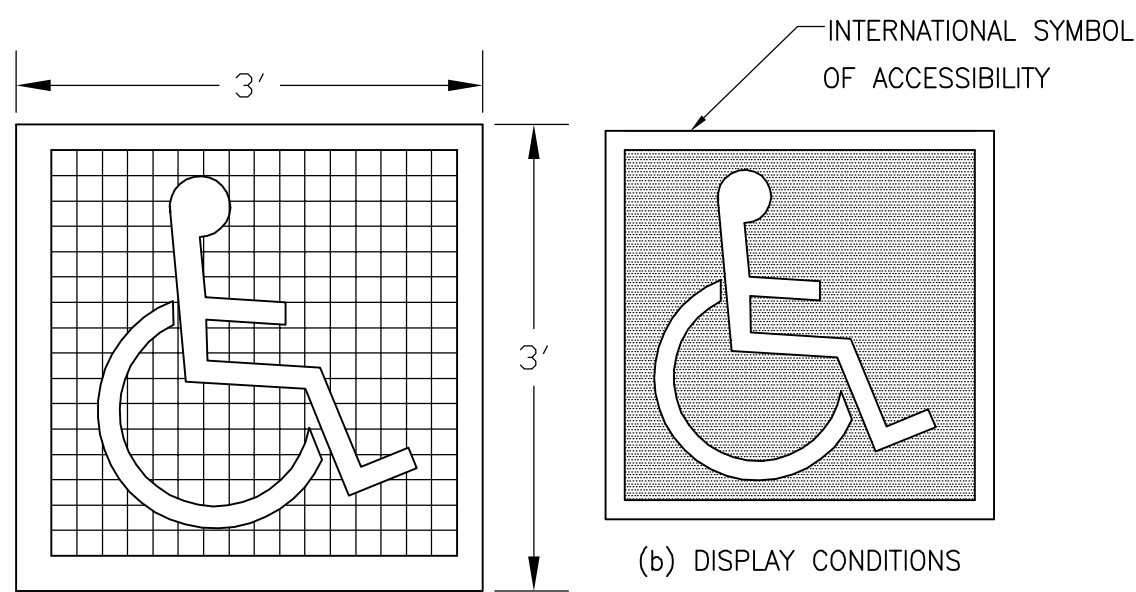


NOTES:

- 1. SLOPE SHALL NOT EXCEED 2% IN ANY DIRECTION.
- 2. BLUE COLOR SHOULD MATCH COLOR NO. 15090 IN THE FEDERAL STANDARD 595B AS SPECIFIED IN SECTION 522(B)2.
- 3. ALL PARKING SPACES MARKED "VAN" OR "ACC" ON THIS PLAN SHALL FOLLOW THESE DETAILS

ACCESSIBLE PARKING STALL STRIPING

N.T.S.



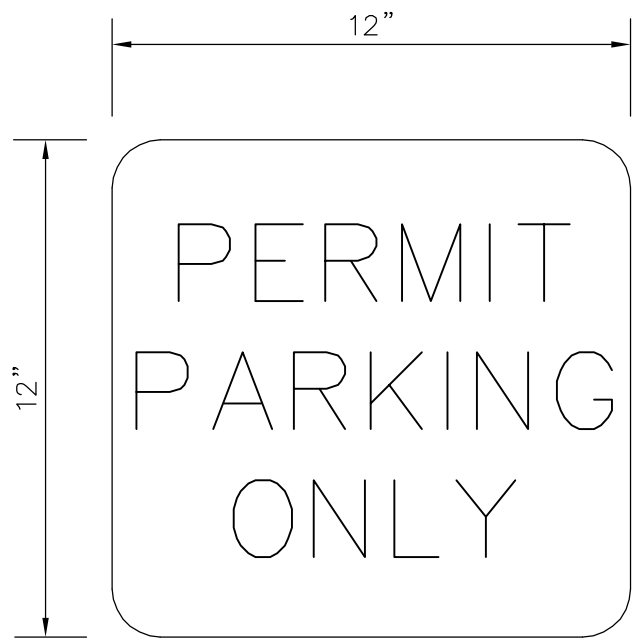
(a) SYMBOL PROPORTIONS

NOTES:

- 1. PAVEMENT SYMBOL SHALL BE PAINTED WHITE ON A BLUE BACKGROUND.
- 2. BLUE COLOR SHOULD MATCH COLOR NO. 15090 IN THE FEDERAL STANDARD 595B AS SPECIFIED IN SECTION 522(B)2.
- 3. ALL PARKING SPACES MARKED "VAN" OR "ACC" ON THIS PLAN SHALL FOLLOW THIS DETAIL

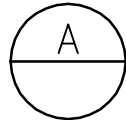
ACCESSIBLE PARKING SYMBOL

N.T.S.



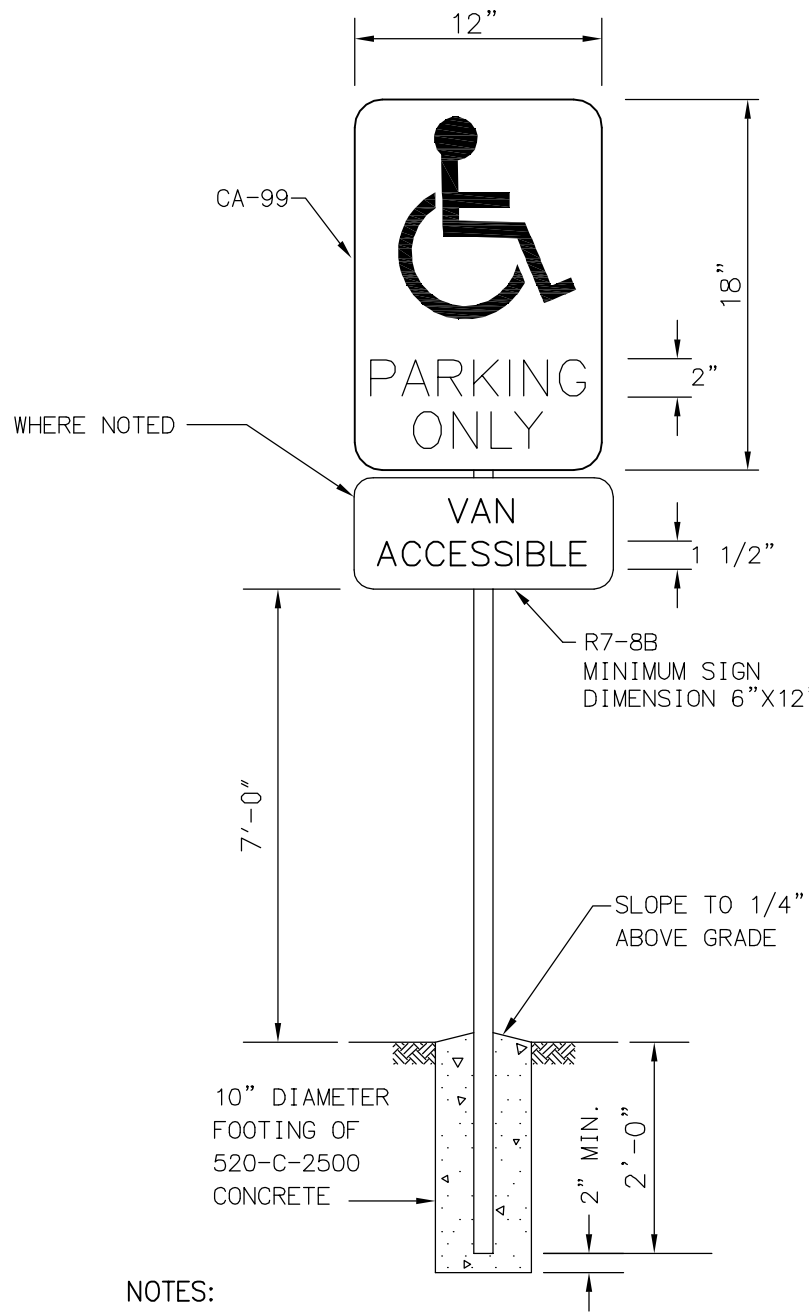
NOTES:

- 1. SIGN SHALL BE CONSTRUCTED OF A MINIMUM 0.062" THICK ALUMINUM.
- 2. LETTERING SHALL BE REFLECTORIZED GREEN ON WHITE BACKGROUND.
- 3. LETTERING SHALL BE 2 INCHES HIGH.
- 4. ALL INFORMATION SHOWN SHALL BE PART OF PERMANENT FABRICATION OF SIGN.



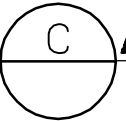
PERMIT NOTICE

COUNTY APPROVED CHANGES				SURVEY CONTROL	
NO.	DESCRIPTION:	APPROVED BY:	DATE:	DESCRIPTION:	
				CITY OF EL CAJON BM# 24 STANDARD BRASS MONUMENT	
				LOCATION: OPPOSITE HOUSE #850, BRADLEY AVE	
				RECORD FROM:	
				ELEVATION: 384.809	DATUM: NGVD 29



NOTES:

- 1. SIGN SHALL BE CONSTRUCTED OF A MINIMUM 0.062" THICK ALUMINUM.
- 2. LETTERING, SYMBOL AND BORDER SHALL BE REFLECTORIZED WHITE, ON A BLUE BACKGROUND.



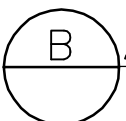
ACCESSIBLE PARKING SIGN

N.T.S.



NOTES:

- 1. SIGN SHALL BE CONSTRUCTED OF A MINIMUM 0.062" THICK ALUMINUM.
- 2. LETTERING, SYMBOL AND BORDER SHALL BE REFLECTORIZED WHITE, ON A BLUE BACKGROUND.
- 3. LETTERING SHALL BE 1 INCH AND 2 INCHES HIGH.
- 4. ALL INFORMATION SHOWN SHALL BE PART OF PERMANENT FABRICATION OF SIGN.



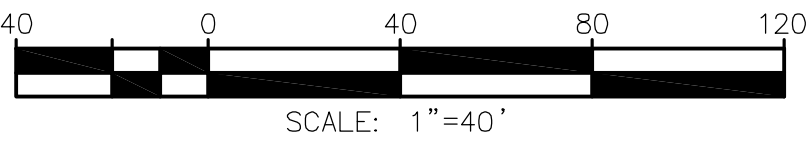
ACCESSIBLE ENFORCEMENT NOTICE

PRIVATE CONTRACT

SHEET 3	GROSSMONT-CUYAMACA COLLEGE DISTRICT	4 SHEETS
GRADING AND IMPROVEMENT PLAN FOR: GROSSMONT COLLEGE TEMPORARY PARKING SURFACE AT GILLESPIE FIELD SIGNING AND STRIPING PLAN		
ACCEPTED BY:	ENGINEER OF WORK R.C.E.	
	GRADING PERMIT NO:	

LEGEND

- GRADED SWALE
- FIBER ROLL BARRIER
- NON-IRRIGATED HYDROSEED MIX
- GRAVEL CHECK DAM
- ULTIMATE OUTFALL
- BMP DRAINAGE AREA
- SITE BOUNDARY



EROSION CONTROL NOTES

- ALL BUILDING PADS TO BE DIKED AND THE DIKES MAINTAINED TO PREVENT WATER FROM FLOWING FROM THE PAD UNTIL THE STREETS AND DRIVEWAYS ARE PAVED AND WATER CAN FLOW FROM THE PADS WITHOUT CAUSING EROSION, OR CONSTRUCT DRAINAGE FACILITIES TO THE SATISFACTION OF THE ENGINEER THAT WILL ALLOW WATER TO DRAIN FROM THE PAD WITHOUT CAUSING EROSION.
- TOPS OF ALL SLOPES TO BE DIKED OR TRENCHED TO PREVENT WATER FROM FLOWING OVER THE CREST OF SLOPES.
- MANUFACTURED SLOPES AND PADS SHALL BE ROUNDED VERTICALLY AND HORIZONTALLY AS APPROPRIATE TO BLEND WITH THE SURROUNDING TOPOGRAPHY.
- AS SOON AS CUTS OR EMBANKMENTS ARE COMPLETED, BUT NOT LATER THAN OCTOBER 1 ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITH A HYDROMULCH MIXTURE OR AN EQUAL TREATMENT APPROVED BY THE ENGINEER. APPROVED SLOPE PROTECTION MEASURES SHALL PROCEED IMMEDIATELY BEHIND THE EXPOSURE OF CUT SLOPES AND/OR THE CREATION OF EMBANKMENT SLOPES.
- CATCH BASINS, DESILTING BASINS AND STORM DRAIN SYSTEM SHALL BE INSTALLED TO THE SATISFACTION OF THE ENGINEER.
- SAND BAG CHECK DAMS TO BE PLACED IN A MANNER APPROVED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS IN UNPAVED STREETS WITH GRADIENTS IN EXCESS OF 2% AND ON OR IN OTHER GRADED OR EXCAVATED AREAS AS REQUIRED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS.
- THE DEVELOPER TO MAINTAIN THE PLANTING AND EROSION CONTROL MEASURES DESCRIBED ABOVE UNTIL RELIEVED OF THE SAME BY THE OWNER. THE DEVELOPER TO REMOVE ALL SOIL INTERCEPTED BY THE SAND BAGS, CATCH BASINS AND DESILTING BASINS AND KEEP THESE FACILITIES CLEAN AND FREE OF SILT AND SAND AS DIRECTED BY THE OWNER. THE DEVELOPER SHALL REPAIR ANY ERODED SLOPES AS DIRECTED.

SILTATION AND SEDIMENT CONTROL MEASURES NOTES

- THE SEDIMENT BASINS SHALL BE PROVIDED AT THE LOWER END OF EVERY DRAINAGE AREA PRODUCING SEDIMENT RUNOFF. THE BASINS SHALL BE MAINTAINED AND CLEANED TO DESIGN CONTOURS AFTER EVERY RUNOFF PRODUCING STORM. THE BASINS SHOULD BE SEMI-PERMANENT STRUCTURES THAT WOULD REMAIN UNTIL SOIL STABILIZING VEGETATION HAS BECOME WELL ESTABLISHED ON ALL ERODIBLE SLOPES.
- SEDIMENTATION BASINS MAY NOT BE REMOVED OR MADE INOPERATIVE WITHOUT PRIOR APPROVAL.
- SEWER OR STORM DRAIN TRENCHES THAT ARE CUT THROUGH BASIN DIKES OR BASIN INLET DIKES SHALL BE PLUGGED WITH SANDBAGS FROM TOP OF PIPE TO TOP OF DIKE.
- ALL UTILITY TRENCHES SHALL BE BLOCKED AT THE PRESCRIBED INTERVALS WITH A DOUBLE ROW OF SANDBAGS WITH A TOP ELEVATION TWO SANDBAGS BELOW THE GRADED SURFACE OF THE STREET. SANDBAGS ARE TO BE PLACED WITH LAPPED COURSES. THE INTERVALS PRESCRIBED BETWEEN SANDBAG BLOCKING SHALL DEPEND ON THE SLOPE OF THE GROUND SURFACE BUT NOT TO EXCEED THE FOLLOWING:

GRADE OF THE STREET	INTERVAL
LESS THAN 2%	AS REQUIRED
2% TO 4%	100 FEET
4% TO 10%	50 FEET
OVER 10%	25 FEET
- AFTER SEWER UTILITY TRENCHES ARE BACKFILLED AND COMPACTED, THE SURFACES OVER SUCH TRENCHES SHALL BE MOUNDED SLIGHTLY TO PREVENT CHANNELING OF WATER IN THE TRENCH AREA. CARE SHOULD BE EXERCISED TO PROVIDE FOR CROSS FLOW AT FREQUENT INTERVALS WHERE TRENCHES ARE NOT ON THE CENTERLINE OF A CROWNED STREET.
- ALL BUILDING PADS SHOULD BE SLOPED TOWARDS THE DRIVEWAYS AND VELOCITY CHECK DAMS PROVIDED AT THE BASE OF ALL DRIVEWAYS DRAINING INTO THE STREET.
- PROVIDE VELOCITY CHECK DAMS IN ALL UNPAVED GRADED CHANNELS AT THE INTERVALS INDICATED BELOW:

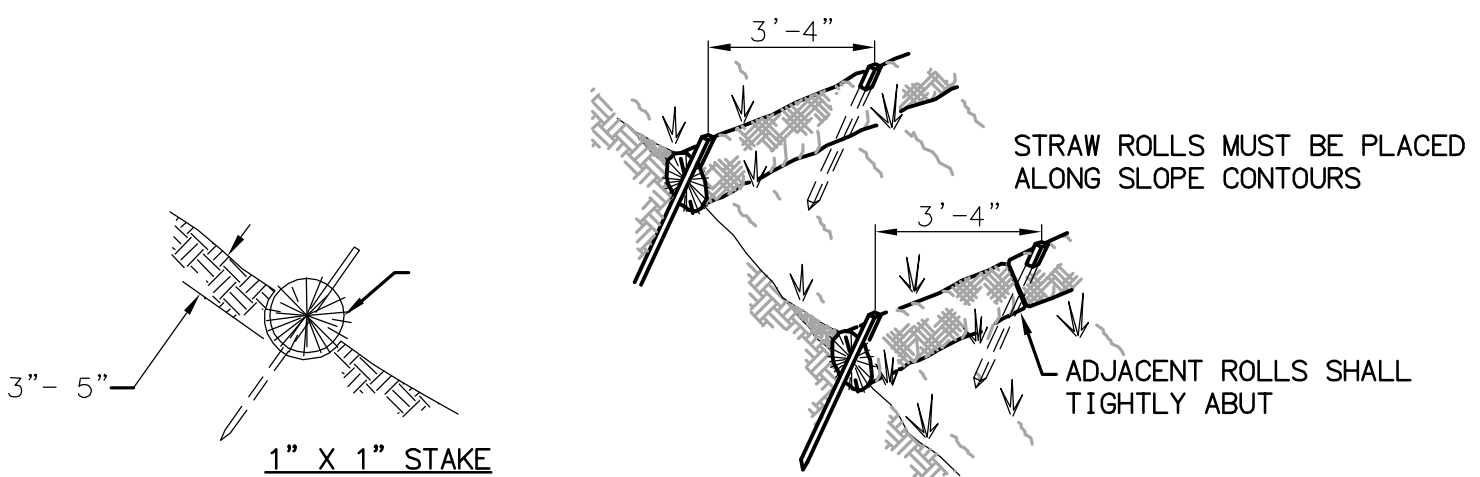
GRADE OF CHANNEL	INTERVALS BETWEEN CHECK DAMS
LESS THAN 3%	100 FEET
3% TO 6%	50 FEET
OVER 6%	25 FEET

- PROVIDE VELOCITY CHECK DAMS IN ALL PAVED STREET AREAS ACCORDING TO RECOMMENDED CRITERIA INDICATED ON THE ENCLOSED GRAPH ENTITLED "SANDBAG BARRIER SPACING FOR EROSION CONTROL IN GRADED STREETS". VELOCITY CHECK DAMS MAY BE CONSTRUCTED OF SANDBAGS, TIMBAR, OR OTHER EROSION RESISTANT MATERIALS AND SHALL EXTEND COMPLETELY ACROSS THE STREET OR CHANNEL AT RIGHT ANGLES TO THE CENTERLINE. VELOCITY CHECK DAMS MAY ALSO SERVE AS SEDIMENT TRAPS.
- PROVIDE A SANDBAG SILT BASIN OR TRAP BY EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING DRAIN SYSTEM.
- SANDBAGS AND FILL MATERIAL SHALL BE STOCKPILED AT INTERVALS, READY FOR USE WHEN REQUIRED.
- ALL EROSION CONTROL DEVICES WITHIN THE DEVELOPMENT SHOULD BE MAINTAINED DURING AND AFTER EVERY RUNOFF PRODUCING STORM, IF POSSIBLE, MAINTENANCE CREWS WOULD BE REQUIRED TO HAVE ACCESS TO ALL AREAS.

- PROVIDE ROCK RIPRAP ON CURVES AND STEEP DROPS IN ALL EROSION PRONE DRAINAGE CHANNELS DOWNSTREAM FROM THE DEVELOPMENT. THIS PROTECTION WOULD REDUCE EROSION CAUSED BY THE INCREASED FLOWS THAT MAY BE ANTICIPATED FROM DENURED SLOPES, OR FROM IMPERVIOUS SURFACES.
- ANY PROPOSED ALTERNATE CONTROL MEASURES MUST BE APPROVED IN ADVANCE BY ALL RESPONSIBLE AGENCIES.

STORMWATER PROTECTION NOTES

- DURING THE RAINY SEASON THE AMOUNT OF EXPOSED SOIL ALLOWED AT ONE TIME SHALL NOT EXCEED THAT WHICH CAN BE ADEQUATELY PROTECTED BY THE PROPERTY OWNER IN THE EVENT OF A RAINSTORM. 125% OF ALL SUPPLIES NEEDED FOR BMP MEASURES SHALL BE RETAINED ON THE JOB SITE IN A MANNER THAT ALLOWS FULL DEPLOYMENT AND COMPLETE INSTALLATION IN 48 HOURS OR LESS OF A FORECAST RAIN.
- ANY DISTURBED AREA THAT IS NOT ACTIVELY GRADED FOR 15 DAYS MUST BE FULLY PROTECTED FROM EROSION. ALL EROSION CONTROL MEASURES SHALL REMAIN INSTALLED AND MAINTAINED DURING ANY INACTIVE PERIOD.
- THE PROPERTY OWNER IS OBLIGATED TO INSURE COMPLIANCE WITH ALL APPLICABLE STORMWATER REGULATIONS AT ALL TIMES. THE BMP'S (BEST MANAGEMENT PRACTICES) THAT HAVE BEEN INCORPORATED INTO THIS PLAN SHALL BE IMPLEMENTED AND MAINTAINED TO EFFECTIVELY PREVENT THE POTENTIALLY NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORMWATER QUALITY. THE MAINTENANCE OF THE BMP'S IS THE PERMITTEE'S RESPONSIBILITY, AND FAILURE TO PROPERLY INSTALL OR MAINTAIN THE BMP'S MAY RESULT IN ENFORCEMENT ACTION BY THE COUNTY OF SAN DIEGO OR OTHERS. IF INSTALLED BMP'S FAIL, THEY MUST BE REPAIRED OR REPLACED WITH AN ACCEPTABLE ALTERNATE WITHIN 24 HOURS, OR AS SOON AS SAFE TO DO SO.
- ON PROJECTS OF GREATER THAN 5 ACRES ADD THE FOLLOWING NOTE: A NOTICE OF INTENT (NOI) HAS BEEN, OR WILL BE FILED WITH THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) AND THAT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN OR WILL BE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF CALIFORNIA GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY (PERMIT NO. CAS000002) FOR ALL OPERATIONS ASSOCIATED WITH THESE PLANS. THE NOI NUMBER ASSIGNED BY SWRCB FOR THIS PROJECT IS NOT YET ASSIGNED, BUT WILL BE PROVIDED BEFORE A PERMIT IS ISSUED, THE PERMITTEE SHALL KEEP A COPY OF THE SWPPP ON SITE AND AVAILABLE FOR REVIEW BY COUNTY.



STRAW ROLLS

N.T.S.

NOTE:

- STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3'-5" DEEP, DUG ON CONTOUR RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

FIBER ROLL BARRIER

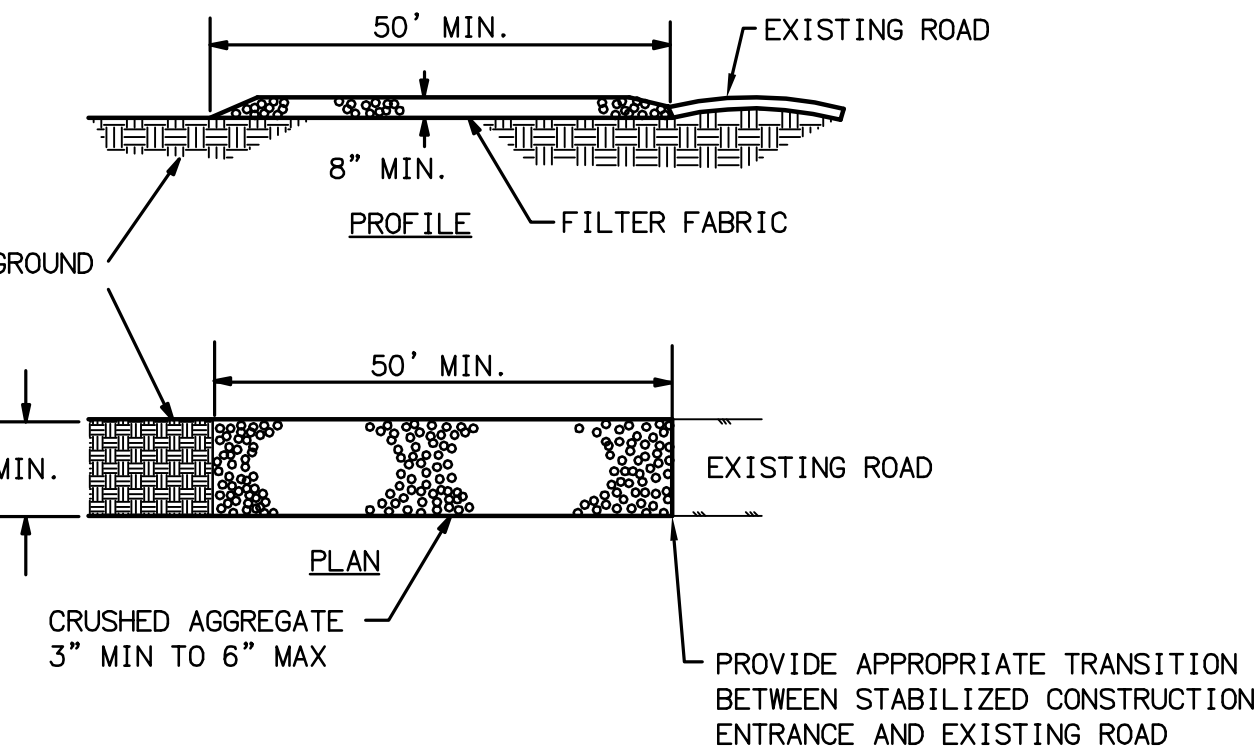
N.T.S.



NOTES:

- A TEMPORARY PIT OR BERMED AREA SHALL BE PROVIDED FOR WASHOUT OF CONCRETE TRUCKS, TOOLS, MORTOR MIXERS, ETC.
- WITH APPROVAL FROM THE OWNER, WASHOUT WILL BE DONE INTO A SLURRY PIT WHICH WILL LATER BE BACKFILLED, OR INTO A TEMPORARY PIT WHERE THE CONCRETE WASH CAN HARDEN, BE BROKEN UP, AND THEN DISPOSE OF OFF-SITE.
- WASHOUT PITS SHALL BE LOCATED AWAY FROM STORM DRAINS, OPEN DITCHES, OR STORM WATER RECEIVING WATERS.
- DO NOT WASH CONCRETE TRUCKS INTO STORM DRAINS, SANITARY SEWERS, STREET GUTTERS, OR STORM WATER CHANNELS.
- SEE PLAN FOR LOCATION OF DESIGNATED WASHOUT AREAS.

DESIGNATED CONCRETE WASHOUT AREA



STABILIZED CONSTRUCTION ENTRANCE

N.T.S.

COUNTY APPROVED CHANGES				SURVEY CONTROL	
NO.	DESCRIPTION:	APPROVED BY:	DATE:	DESCRIPTION: CITY OF EL CAJON BM# 24 STANDARD BRASS MONUMENT	
				LOCATION: OPPOSITE HOUSE #850, BRADLEY AVE	
				RECORD FROM:	
				ELEVATION: 384.809	DATUM: NGVD 29

PRIVATE CONTRACT

SHEET 4	GROSSMONT-CUYAMACA COLLEGE DISTRICT	4 SHEETS
GRADING AND IMPROVEMENT PLAN FOR: GROSSMONT COLLEGE TEMPORARY PARKING SURFACE AT GILLESPIE FIELD EROSION CONTROL PLAN AND NOTES		
ACCEPTED BY:	ENGINEER OF WORK R.C.E.	
	GRADING PERMIT NO:	